

Kappa12A Med Vented Cab.; Hi Pwr Sat or Med Pwr Semi FR

By McJerry, Eminence Speaker LLC

Displacement limited to 150 watts if used with a 60 Hz high pass filter.

Displacement and thermally limited to 450 watts if used with a 200 Hz 24 dB per octave high pass filter; use with a Sub.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.6 cu.ft

V(total) = 1.712 cu.ft

Fb = 65 Hz

QL = 7

F3 = 73.73 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 2.294 in

Driver Properties

--Description--

Name: Kappa-12

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid composition paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 3 inch (76.2 mm) AL Wire. Kapton former.

Magnet: 80 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 45 Hz

Qms = 7.76

Vas = 112.1 liters

Cms = 0.3 mm/N

Mms = 42 g

Rms = 1.53 kg/s

Xmax = 3.2 mm

Xmech = 11.5 mm

P-Dia = 255.6 mm

Sd = 519.5 sq.cm

P-Vd = 0.165 liters

--Electrical Parameters--

Qes = 0.28

Re = 5.41 ohms

Le = 0.77 mH

Z = 8 ohms

BL = 15.2 Tm

Pe = 450 watts

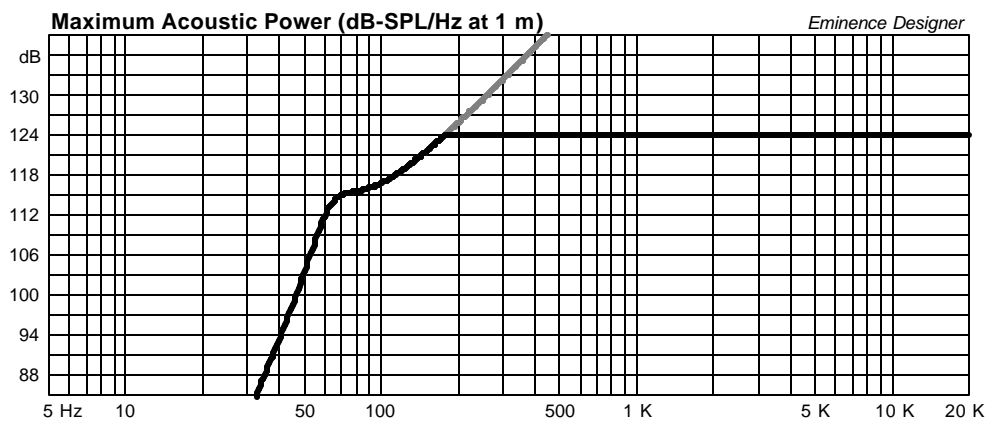
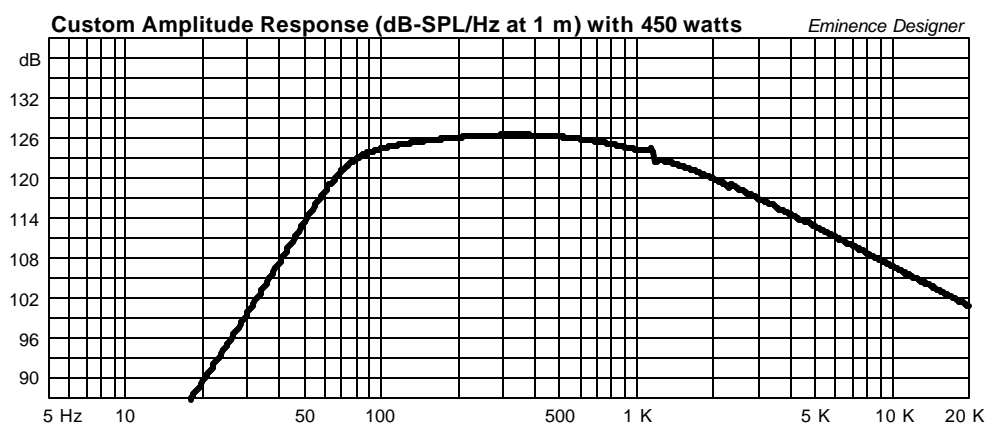
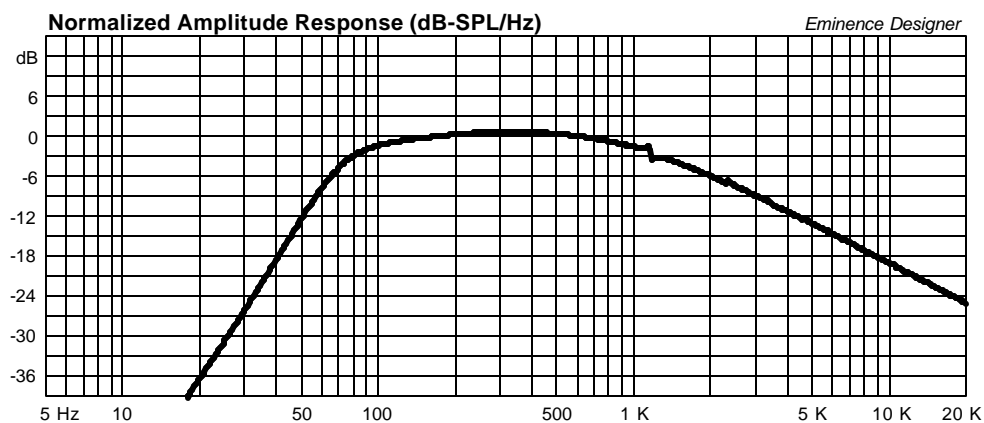
--Electromech. Parameters--

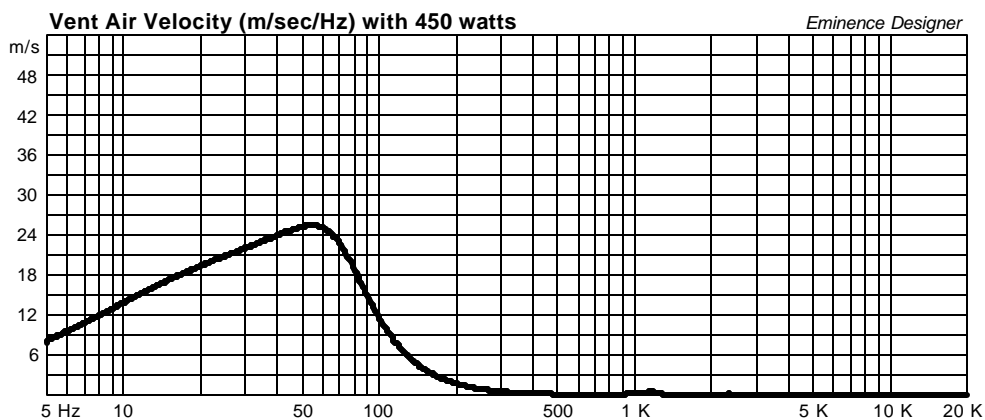
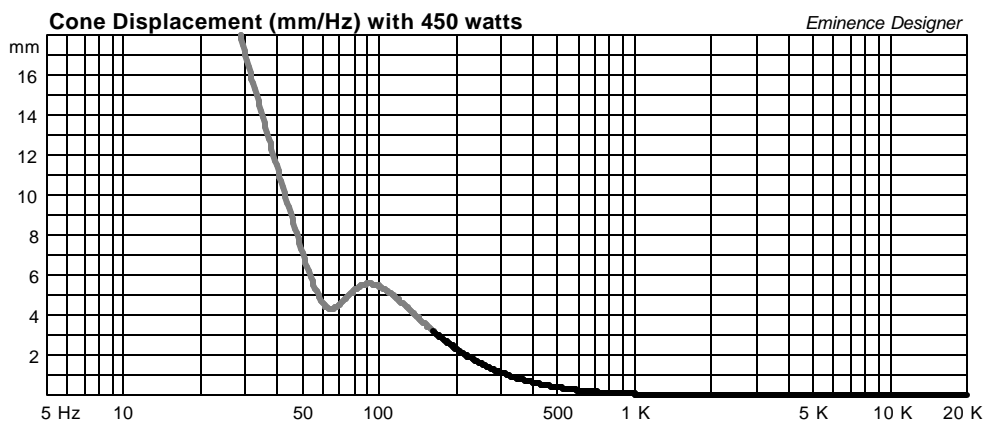
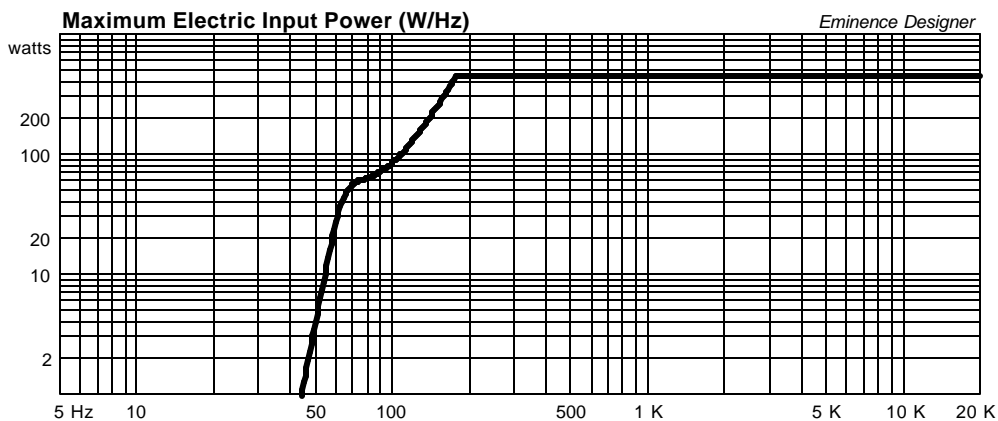
Qts = 0.27

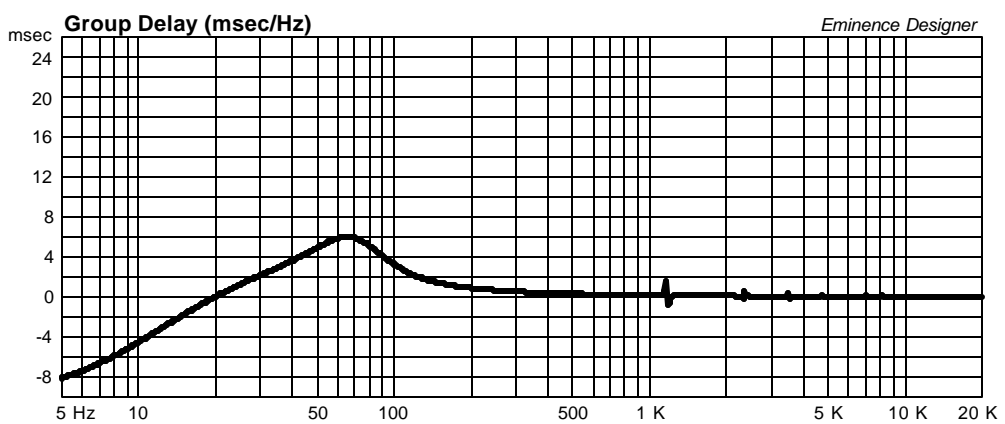
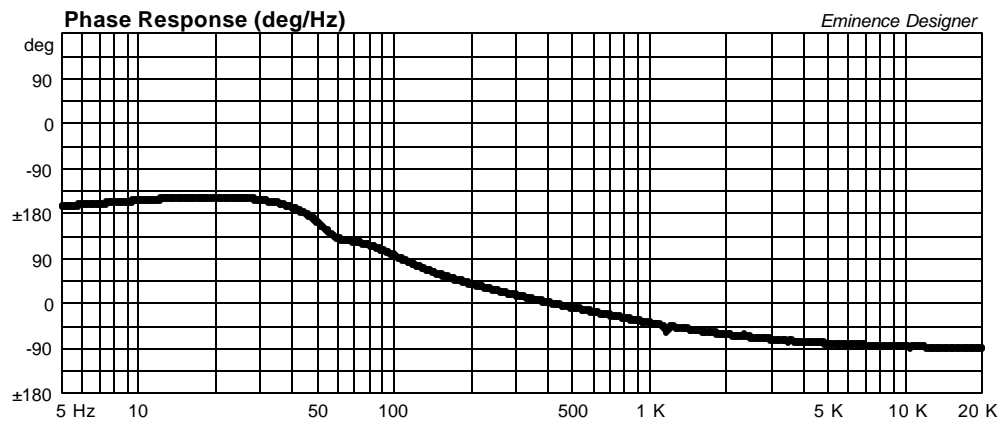
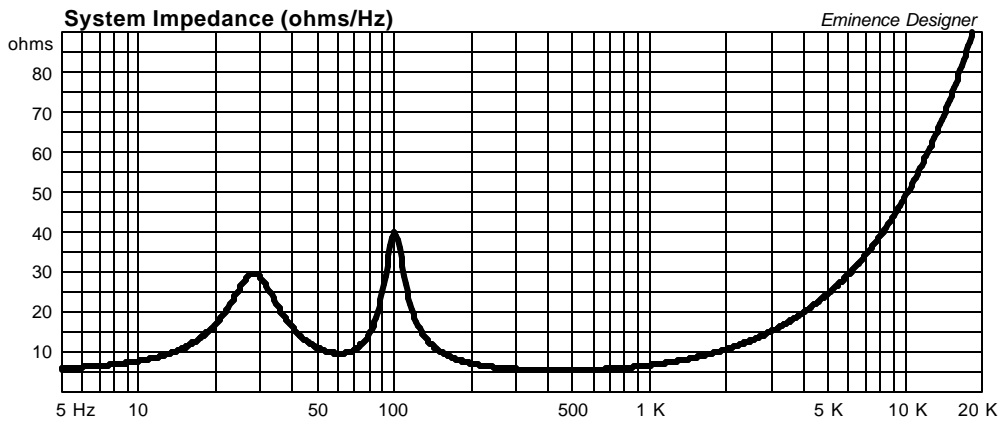
no = 3.518 %

1-W SPL = 97.61 dB

2.83-V SPL = 99.31 dB







Kappa12 High Power Mid/High box, Hi-F3. Must use with a Sub-woofer.

By McJerry, Eminence Speaker LLC

Displacement and thermally limited to 450 watts. Must use a 24 dB per octave high pass filter set to 180 Hz or higher.

Great for a super high SPL mid/high box. Must be used with a sub-woofer system.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 1.1 cu.ft

V(total) = 1.2 cu.ft

Fb = 100 Hz

QL = 7

F3 = 93.8 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3.506 in

Lv = 0.75 in

Driver Properties

--Description--

Name: Kappa-12

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid composition paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 3 inch (76.2 mm) AL Wire. Kapton former.

Magnet: 80 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 45 Hz

Qms = 7.76

Vas = 112.1 liters

Cms = 0.3 mm/N

Mms = 42 g

Rms = 1.53 kg/s

Xmax = 3.2 mm

Xmech = 11.5 mm

P-Dia = 255.6 mm

Sd = 519.5 sq.cm

P-Vd = 0.165 liters

--Electrical Parameters--

Qes = 0.28

Re = 5.41 ohms

Le = 0.77 mH

Z = 8 ohms

BL = 15.2 Tm

Pe = 450 watts

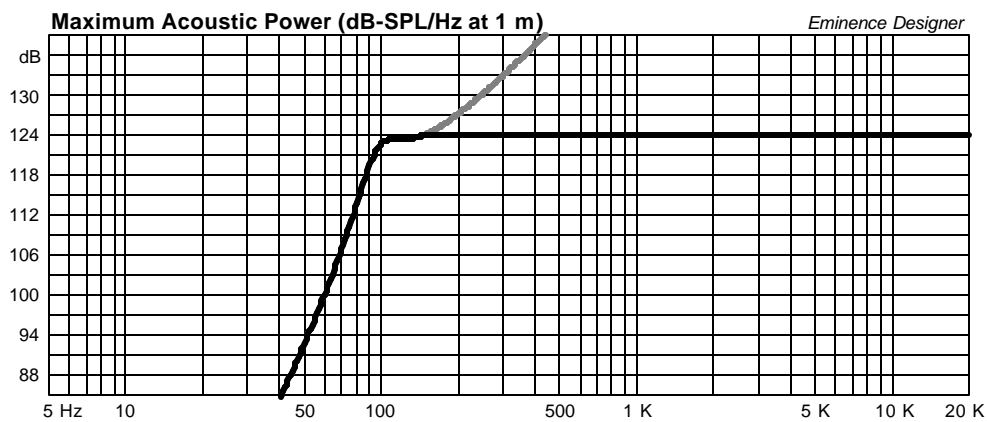
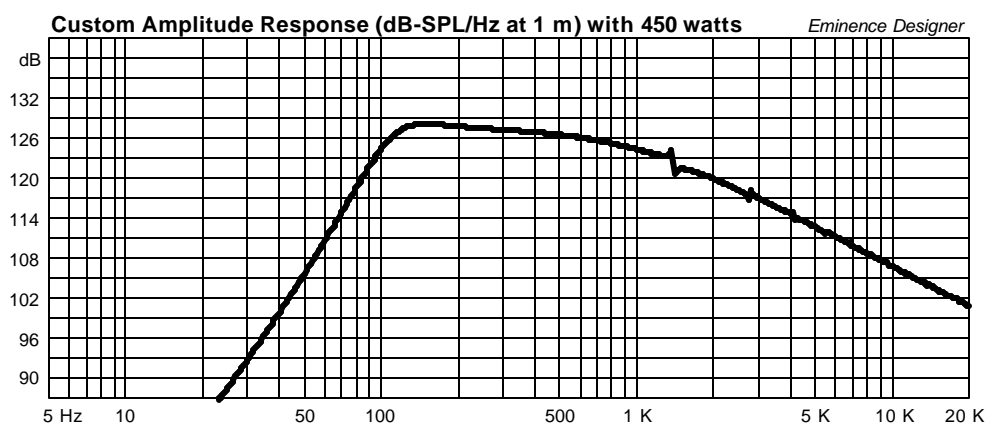
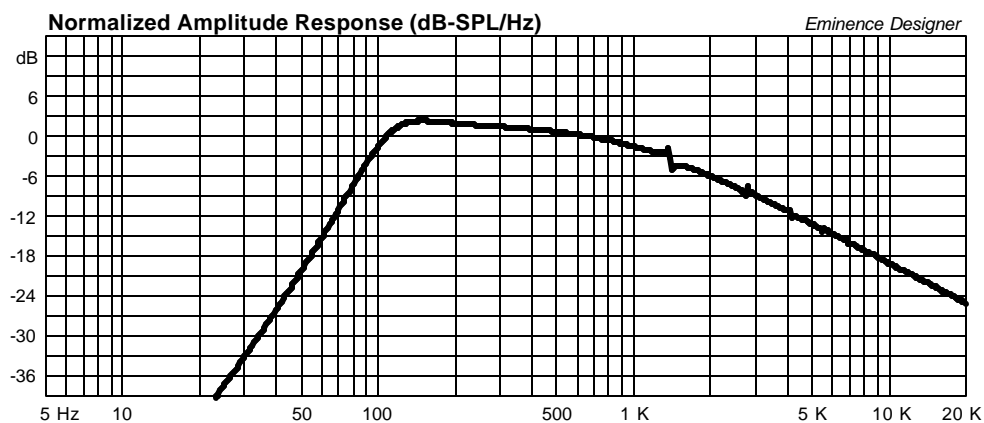
--Electromech. Parameters--

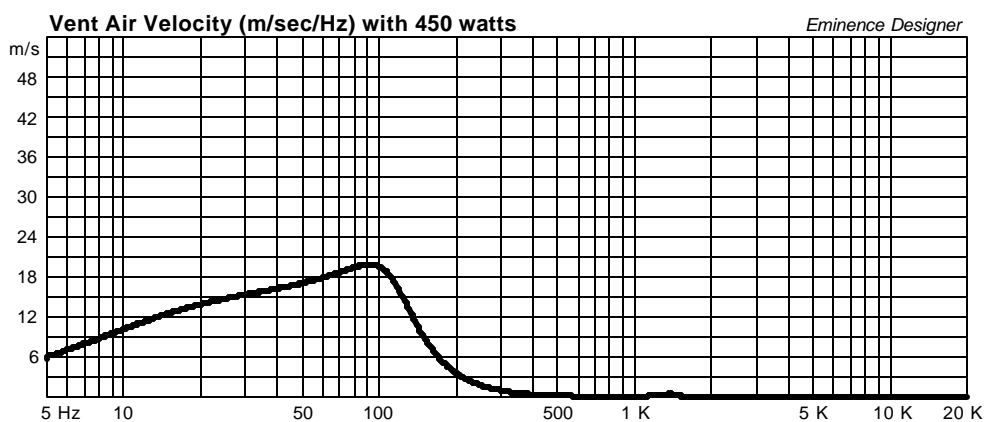
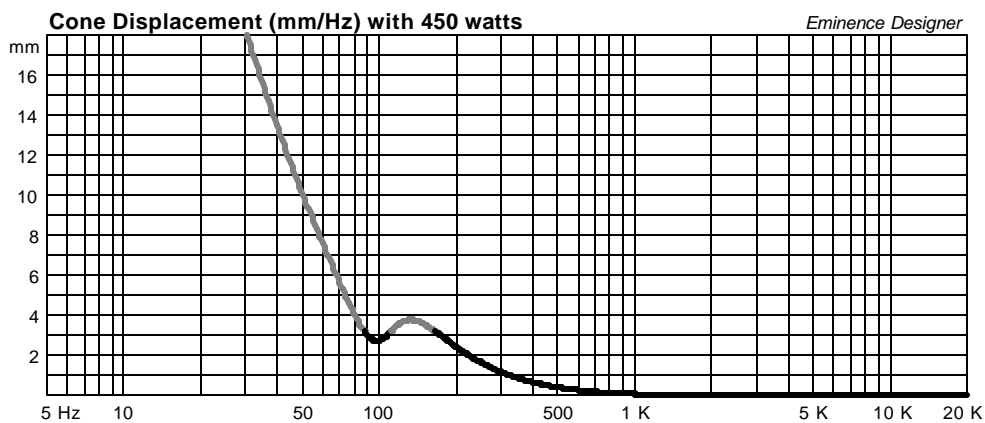
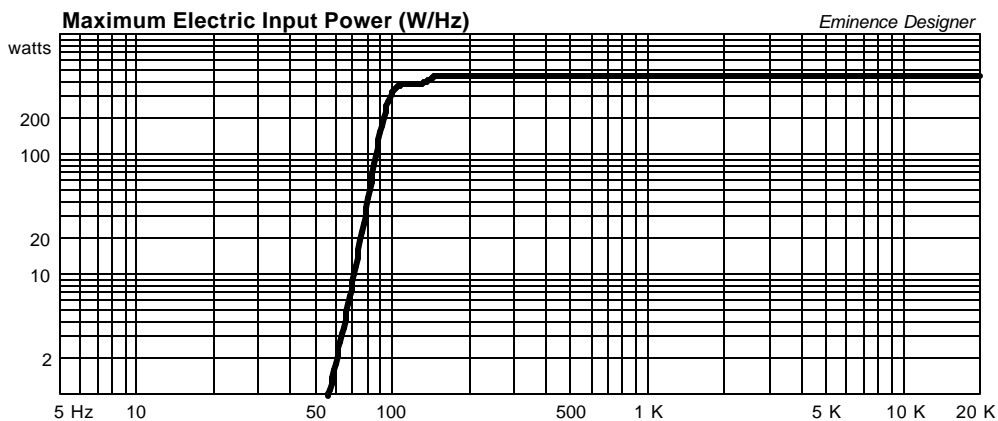
Qts = 0.27

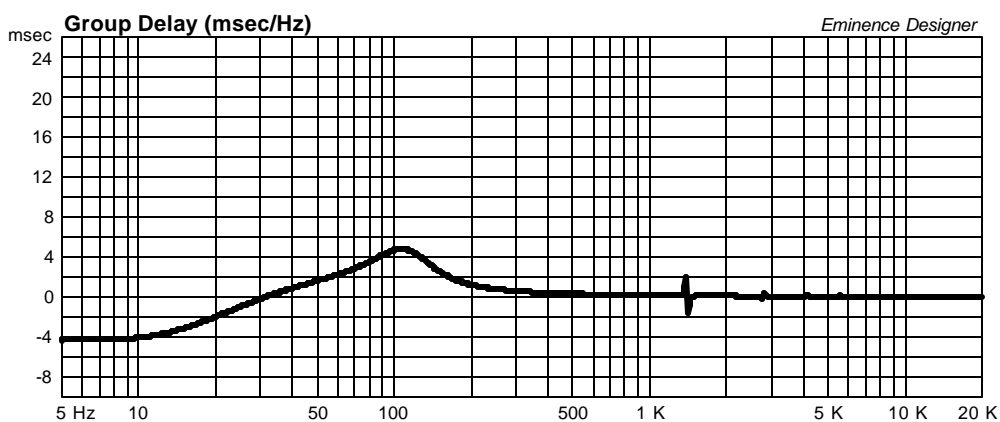
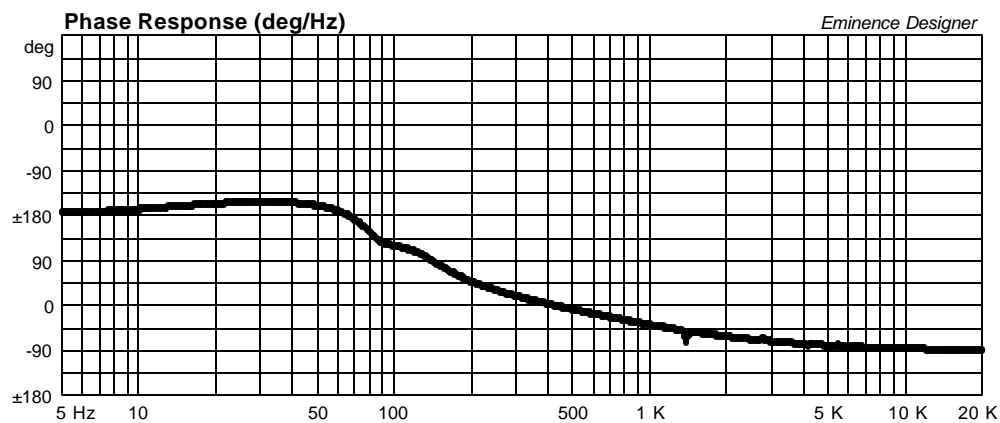
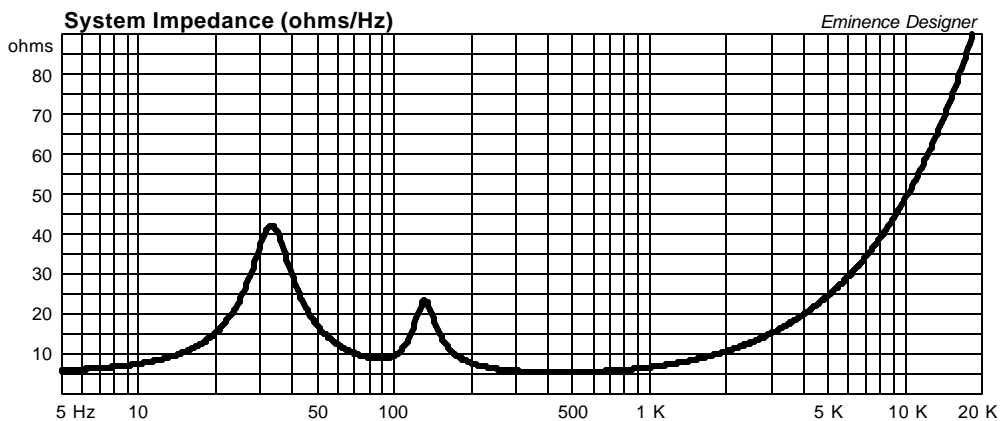
no = 3.518 %

1-W SPL = 97.61 dB

2.83-V SPL = 99.31 dB







Kappa12A Larger Vented Cab.; Hi Pwr Sat Or Low Pwr FR

By McJerry, Eminence Speaker LLC

Displacement limited to 125 watts if used with a 60 Hz High pass filter.

Displacement limited to 300 watts if used with a 200 Hz High pass filter; use with a Sub-woofer.

Box Properties

--Description--

Name:

Type: Vented Box

Shape: Prism, square (optimum)

--Box Parameters--

Vb = 2.022 cu.ft

V(total) = 2.126 cu.ft

Fb = 62 Hz

QL = 7

F3 = 77.71 Hz

Fill = minimal

--Vents--

No. of Vents = 2

Vent shape = round

Vent ends = one flush

Dv = 3 in

Lv = 1.532 in

Driver Properties

--Description--

Name: Kappa-12

Type: Standard one-way driver

Company: Eminence Speaker LLC

Comment: Revised NOV 2005

Piston: Paper cone.

Suspension: Cloth surround.

Dust Cap: Solid composition paper dust cap.

Frame: Pressed steel basket.

Voice Coil: 3 inch (76.2 mm) AL Wire. Kapton former.

Magnet: 80 oz ferrite magnet.

--Configuration--

No. of Drivers = 1

--Mechanical Parameters--

Fs = 45 Hz

Qms = 7.76

Vas = 112.1 liters

Cms = 0.3 mm/N

Mms = 42 g

Rms = 1.53 kg/s

Xmax = 3.2 mm

Xmech = 11.5 mm

P-Dia = 255.6 mm

Sd = 519.5 sq.cm

P-Vd = 0.165 liters

--Electrical Parameters--

Qes = 0.28

Re = 5.41 ohms

Le = 0.77 mH

Z = 8 ohms

BL = 15.2 Tm

Pe = 450 watts

--Electromech. Parameters--

Qts = 0.27

no = 3.518 %

1-W SPL = 97.61 dB

2.83-V SPL = 99.31 dB

